WHAT IS CLAIMED IS:

1. A computing system construction method under execution environment to be dependent on OS on the occasion of returning an error code to the application

5   program in different execution environments of a computing system, wherein

this computing system comprises a CPU including a general register as hardware and an operating system to be executed on the hardware;

10   an instruction set of said CPU includes an instruction to load immediate value for storing an immediate value to said general register;

an execution program to be executed on said operating system consists of an execution program

15   corresponding to said application program and a program to be used to be independent on different OS to be used in different execution environments;

an error code which is returned when control is returned is defined, from said program to be used to

20   be independent on different OS, as the common error code to be independent on execution environment in the execution program corresponding to said application program;

moreover, said common error is determined as a value

25   within the numerical range which can be set with said

instruction to load immediate value; and

said common error code is held within the instruction code of said instruction to load immediate value.

2. A computing system construction method under execution environment dependent on OS according to claim 1, wherein said common error code is determined within the range of a numerical value where the MSB of said immediate value is set to zero (0).

3. A computing system construction method under execution environment dependent on OS according to claim 1, wherein said common error code is determined with a positive value without any sign under the condition that the zero promotion is automatically conducted for the leading part of data which is smaller than the number of bits of said general register when such data is loaded to said general register as the specification of said instruction set.

4. A computing system construction method under execution environment dependent on OS according to claim 1, wherein said common error code is determined within a range of the numerical value to set the MSB of said immediate value to zero (0) under the condition that the sign promotion is automatically conducted for the leading part of data which is smaller than the number

of bits of said general register when such data is loaded to said general register as the specification of said instruction set.

5. A program to be executed under execution environment to be dependent on different OS at the time of returning an error code to an application program when it is executed under the execution environment to be dependent OS in the computing system, wherein

said computing system comprises a CPU including a general register as hardware and an operating system to be executed on said hardware;

an instruction set of said CPU includes an instruction to load immediate value to store an immediate value to said general register;

an execution program to be executed on said operating system includes an execution program corresponding to said application program and a program to be used to be independent on different OS to be used in different execution environments;

an error code which is returned when control is returned is defined, as the common error code not dependent on the execution environment, to the execution program corresponding to said application program from said program to be used to be independent on different OS;

moreover, said common error code is determined as
a value within the numerical range to be set with said
instruction to load immediate value;

said common error code is held within the
5   instruction code of said instruction to load immediate
value; and

an information of the common error code is included
only in the code in the execution program corresponding
to said application program and in the code in said
10   program to be used to be independent on different OS.